

## IN THE CLAIMS

Claims 1, 2, 6, 7, 11, and 12 are amended as indicated below. This listing of claims will replace all prior versions of claims in the application.

1        1.    (currently amended)    In a client-server environment, a method for  
2        providing transparency in a gateway of an IP network comprising the steps of:

3                interrogating a directory comprising proxy server protocol data ~~for each~~  
4        specific to every end-user network account of said IP network;

5                retrieving parameters associated with said proxy server protocol data for a  
6        first end-user in response to an access request from a client application of said first  
7        end-user;

8                accessing an application server on behalf of said client application in  
9        accordance with said retrieved parameters for said first end-user; and

10               relaying data between said client application and said application server.

1        2.    (currently amended)    The method according to claim 1 further comprising  
2        the step of:

3                creating, in said gateway of said IP network, the directory including entries ~~for~~  
4        specific to every end-user network account on said IP network.

1        3.    (original) The method according to claim 1 further comprising the step of:

2                updating, in said gateway of said network, the directory of said end-users, said  
3        step of updating the directory including the steps of:

4                disabling entries for those of said end-users that disconnect;

5                enabling entries for those of said end-users that connect; and

6                updating said entries of said end-users comprising dynamic parameters  
7        whenever said parameters are changing while connected.

1       4.   (previously presented) The method according to claim 1 wherein the step of  
2       retrieving parameters associated with proxy server protocol data for said first end-  
3       user includes the steps of:

4             obtaining leading data from said client application having issued said access  
5       request for said end-user;

6             parsing said leading data;

7             determining a protocol said client application is currently using;

8             interrogating said directory at an entry corresponding to said first end-user;

9       retrieving parameters associated with said protocol; and

10            executing said protocol in accordance with said parameters associated with  
11       said protocol.

1       5.   (original) The method according to claim 1 further including the step of  
2       informing said end-user of said client application that a server application is  
3       unavailable if a link to said application server is not established.

1       6.   (currently amended)       A data processing system for providing a gateway of  
2       an IP network, comprising:

3               circuitry operable for interrogating a directory comprising proxy server  
4       protocol data ~~for each~~ specific to every end-user network account of said IP network;

5               circuitry operable for retrieving parameters associated with said proxy server  
6       protocol data for a first end-user in response to an access request from a client  
7       application of said first end-user;

8               circuitry operable for accessing an application server on behalf of said client  
9       application in accordance with said retrieved parameters for said first end-user; and

10              circuitry operable for relaying data between said client application and said  
11      application server.

1       7.   (currently amended)       The system according to claim 6 further comprising:

2               circuitry operable for creating, in said gateway of said IP network, the  
3       directory including entries ~~for~~ specific to every end-user network account on said IP  
4       network.

1       8.   (original)   The system according to claim 6 further comprising:

2               circuitry operable for updating, in said gateway of said network, the directory  
3       of said end-users, said circuitry operable for updating the directory including:

4               circuitry operable for disabling entries for those of said end-users that  
5       disconnect;

6               circuitry operable for enabling entries for those of said end-users that connect;  
7       and

8               circuitry operable for updating said entries of said end-users comprising  
9       dynamic parameters whenever said parameters are changing while connected.

1       9. (previously presented) The system according to claim 6 wherein the circuitry  
2       operable for retrieving parameters associated with said end-user for said access  
3       request from said client application includes:

4               circuitry operable for obtaining leading data from said client application  
5       having issued said access request for said end-user;

6               circuitry operable for parsing said leading data;

7               circuitry operable for determining a protocol said client application is  
8       currently using;

9               circuitry operable for interrogating said directory at an entry corresponding to  
10      said first end-user; and

11              circuitry operable for retrieving parameters associated with said protocol;

12              executing said protocol in accordance with said parameters associated with  
13      said protocol.

1       10. (original) The system according to claim 6 further including the circuitry  
2       operable for informing said end-user of said client application that a server  
3       application is unavailable if a link to said application server is not established.

1        11. (currently amended)        A computer program product embodied in a tangible  
2        storage medium, the program product for providing transparency in a gateway of an  
3        IP network, the program product including a program of instructions for performing  
4        the steps of:

5                interrogating a directory comprising proxy server protocol data ~~for each~~  
6        specific to every end-user network account of said IP network;

7                retrieving parameters associated with said proxy server protocol data for a  
8        first end-user in response to an access request from a client application of said first  
9        end-user;

10                accessing an application server on behalf of said client application in  
11        accordance with said retrieved parameters for said first end-user; and

12                relaying data between said client application and said application server.

1        12. (currently amended) The computer program product according to claim 11,  
2        further comprising instructions for performing the step of:

3                creating, in said gateway of said IP network, the directory including entries ~~for~~  
4        specific to every end-user network account on said IP network.

1        13. (original)        The program product according to claim 11 further comprising  
2        instructions for performing the step of:

3                updating, in said gateway of said network, the directory of said end-users, said  
4        step of updating the directory including the steps of:

5                disabling entries for those of said end-users that disconnect;

6                enabling entries for those of said end-users that connect; and

7                updating said entries of said end-users comprising dynamic parameters  
8        whenever said parameters are changing while connected.

1       14. (previously presented)   The program product according to claim 11 wherein  
2       the step of retrieving parameters associated with said end-user for said access request  
3       from said client application includes the steps of:

4             obtaining leading data from said client application having issued said access  
5       request for said end-user;

6             parsing said leading data;

7             determining a protocol said client application is currently using;

8             interrogating said directory at an entry corresponding to said first end-user;

9       retrieving parameters associated with said protocol; and

10            executing said protocol in accordance with said parameters associated with  
11       said protocol.

1       15. (original)   The program product according to claim 11 further including  
2       instructions for performing the step of informing said end-user of said client  
3       application that a server application is unavailable if a link to said application server  
4       is not established.